IN THE CLAIMS

Please amend claims 8-11, 16, 21, 22, 23, 24, 26, 27 and 31-34 as indicated below.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (original) A method for formatting a document, comprising the steps of:

receiving a user example; and

formatting the non-functional aspects of said document in the style of said user example.

Claim 2 (original) The method of claim 1 wherein said non-functional aspects include indentation, order, and comment style.

Claim 3 (original) A method for formatting an output document, comprising the steps of:

receiving from a user an example document;

selectively generating from said example document style templates, alignment offsets and section order; and

responsive to said templates, offsets and order, formatting functional aspects of said output document.

Claim 4 (original) A method for generating an output document in a user preferred style, comprising the steps of:

capturing the user preferred style from a user example document; and

generating a plurality of templates, each said template representing a component of said user example document and selectively including replaceable macros.

Claim 5 (original) The method of claim 4, further comprising the steps of:

generating functional aspects;

replacing said macros in said template with information from said functional aspects; and

responsive to said template with information from said functional aspects, generating said output document.

Claim 6 (original) The method of claim 4 or claim 5, further comprising the step of applying syntactical patterns to said user example document to define said component.

Claim 7 (original) The method of claim 6, further comprising the step of temporarily removing comments from said user example document when applying said syntactical patterns to said user example document.

Claim 8 (currently amended) The method of any one of claims 4 to 7 4, 5 and 7, said output document including a plurality of separately generated sections.

Claim 9 (currently amended) The method of any one of claims 4 to 8 4, 5 and 7, further comprising the steps of:

determining from said user example document a user preference for group order; and

generating said output document with public, protected, and private member access in said user preference order.

Claim 10 (currently amended) The method of any one of claims 4 to 9 4, 5 and 7, further comprising the step of receiving from said user further input changing the style of said user example document.

Claim 11 (currently amended) The method of any one of claims 4 to 10 4, 5 and 7, wherein said replaceable macros correspond to text in said user example document.

Claim 12 (original) A method for generating an output document with indentation of document components in a user preferred style, comprising the steps of:

receiving a user example document;

while parsing document components in said user example document, preserving the relative indentation of subcomponents by calculating user desired offsets for said subcomponents; and

responsive to said user desired offsets, generating said output document.

Claim 13 (original)   The method of claim 12, said user desired offsets being preserved for variables, functions, and constructors.

Claims 14-15 (cancelled)

Claim 16 (currently amended)   A computer program product embodied in a computer readable medium for generating an output document in a user preferred style, said computer program product comprising:

a style capture tool for examining an input document containing an example of said user preferred style to determine said user preferred style for non-functional aspects of said output document;

a code generation tool for generating functional aspects of said output document; and

a document generate tool responsive to said style capture tool and said code generation tool for generating said output document with said preferred style for non-functional aspects applied to the presentation of said functional aspects.

Claim 17 (original)   The computer program product of claim 16, further comprising:

a grammar template for storing syntax rules; and

said style capture tool being responsive to said syntax rules for pattern-matching said user example document.

Claim 18 (original)   The computer program product of claim 17, further comprising a plurality of grammar templates, each said template for storing syntax rules for a unique one of a plurality of programming languages.

Claim 19 (original)   The computer program product of any one of claims 16 to 18, further comprising a plurality of input document files, each said input document file representing a user preferred style for different parts of said output document.

Claim 20 (original) The computer program product of claim 19, said input document files including a declaration example file and a definition example file.

Claim 21 (currently amended) The computer program product of any one of claims ~~16 to 20~~ 16, 17, 18 and 20, wherein said code generation tool is operable for generating class declarations, and said style capture tool is operable for providing to said document generate tool rules for syntax and ordering of class-head, base-specifiers, class body, access-specifiers, and member-declarations.

Claim 22 (currently amended) A computer program product <u>embodied in a computer readable medium</u> for generating an output document, said computer program product comprising:

at least one grammar template file, one said grammar template file for each of one or more sections of an output document in one or more programming languages, each said grammar template file for specifying the manner for parsing and defining the bounds of a section of said output document; and

at least one style template parsed from a user example document in a user preferred style using said grammar template file for defining the style of a section of said output document.

Claim 23 (currently amended) A computer program product <u>embodied in a computer readable medium</u> for generating an output document, said computer program product comprising:

at least one grammar template file, one said grammar template file for each of one or more sections of an output document in one or more programming languages, each said grammar template file for specifying the manner for parsing and defining the bounds of a section of said output document;

at least one style template parsed from a user example document in a user preferred style using said grammar template file for defining the style of a section of said output document;

a syntax template for finding and extracting style information for each section of said user example document and including a section identifier, an external pattern,

an internal pattern, a before pattern, an after pattern, a repeatability indicator, and an ordering indicator; each said syntax template being associated with a single style template;

said section identifier for identifying a section of said output document;

said external pattern for finding a particular section in said input document;

said internal pattern for indicating the textual elements to be considered as part of said particular section;

said before pattern for indicating what should come before said particular section;

said after pattern for indicating what should come after said particular section;

said repeatability indicator for indicating whether said particular section is a repeatable section and, if so, that alignment offsets need to be calculated; and

said ordering indicator for indicating if said particular section is part of a group of unique sections and, if so, whether the ordering of said group of unique sections is independent or whether the ordering of said group must be captured from said user example document.

Claim 24 (currently amended) A computer program product embodied in a computer readable medium for formatting a document, said computer program product comprising:

instruction means for receiving a user example; and

instruction means for formatting the non-functional aspects of said document in the style of said user example.

Claim 25 (original) The computer program product of claim 24 wherein said non-functional aspects include indentation, order, and comment style.

Claim 26 (currently amended) A computer program product embodied in a computer readable medium for formatting documents, said computer program product comprising:

instruction means for receiving from a user an example document;

instruction means for selectively generating from said example document style templates, alignment offsets and section order; and

instruction means for, responsive to said templates, offsets and order, formatting functional aspects of said output document.

Claim 27 (currently amended) A computer program product <u>embodied in a computer readable medium</u> for generating an output document in a user preferred style, said computer program product comprising:

instruction means for capturing the user preferred style from a user example document; and

instruction means for generating a plurality of templates, each said template representing a component of said user example document and selectively including replaceable macros.

Claim 28 (original) The computer program product of claim 27, further comprising:

instruction means for generating functional aspects;

instruction means for replacing said macros in said template with information from said functional aspects; and

instruction means for, responsive to said template with information from said functional aspects, generating said output document.

Claim 29 (original) The computer program product of claim 27 or claim 28, further comprising instruction means for applying syntactical patterns to said user example document to define said component.

Claim 30 (original) The computer program product of claim 29, further comprising the step of instruction means for temporarily removing comments from said user example document when applying said syntactical patterns to said user example document.

Claim 31 (currently amended) The computer program product of any one of claims ~~27 to 30~~ <u>27, 28 and 30</u>, said output document including a plurality of separately generated sections.

Claim 32 (currently amended) The computer program product of any one of claims 27 to 31 27, 28 and 30, further comprising:

instruction means for determining from said user example document a user preference for group order; and

instruction means for generating said output document with public, protected, and private member access in said user preference order.

Claim 33 (currently amended) The computer program product of any one of claims 27 to 32 27, 28 and 30, further comprising instruction means for receiving from said user further input changing the style of said user example document.

Claim 34 (currently amended) The computer program product of any one of claims 27 to 33 27, 28 and 30, wherein said replaceable macros correspond to text in said user example document.

Claim 35 (original) A computer program product for generating an output document with indentation of document components in a user preferred style, said computer program product comprising:

instruction means for receiving a user example document;

instruction means for, while parsing document components in said user example document, preserving the relative indentation of subcomponents by calculating user desired offsets for said subcomponents; and

instruction means for, responsive to said user desired offsets, generating said output document.

Claim 36 (original) The computer program product of claim 35, said user desired offsets being preserved for variables, functions, and constructors.

Claims 37-39 (cancelled)

Claim 40 (original) A system for generating an output document in a user preferred style, comprising:

a style capture tool for examining an input document containing an example of said user preferred style to determine said user preferred style for non- functional aspects of said output document;

a code generation tool for generating functional aspects of said output document; and

a document generate tool responsive to said style capture tool and said code generation tool for generating said output document with said preferred style for non-functional aspects applied to the presentation of said functional aspects.

Claim 41 (original) A system for generating an output document, comprising:

at least one grammar template file, one said grammar template file for each of one or more sections of an output document in one or more programming languages, each said grammar template file for specifying the manner for parsing and defining the bounds of a section of said output document; and

at least one style template parsed from a user example document in a user preferred style using said grammar template file for defining the style of a section of said output document.

Claim 42 (original) A system for generating an output document in a user preferred style, comprising:

means for capturing the user preferred style from a user example document; and

means for generating a plurality of templates, each said template representing a component of said user example document and selectively including replaceable macros.

Claim 43 (original) The system of claim 42, further comprising:

means for generating functional aspects;

means for replacing said macros in said template with information from said functional aspects; and

means for, responsive to said template with information from said functional aspects, generating said output document.